

1. The server 12 is configured to receive a request from a terminal 26 to join a multicast session. The request includes a session identifier and a terminal identifier. The server 12 is configured to determine if the terminal 26 is authorized to join the multicast session. If the terminal 26 is authorized, the server 12 is configured to send a join message to the terminal 26. The join message includes a session key and a list of multicast addresses. The terminal 26 is configured to join the multicast session using the session key and the list of multicast addresses.

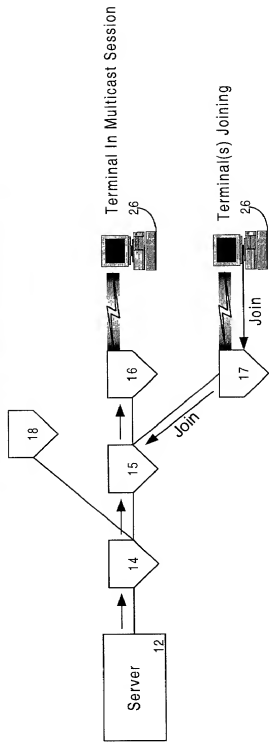


Figure 1

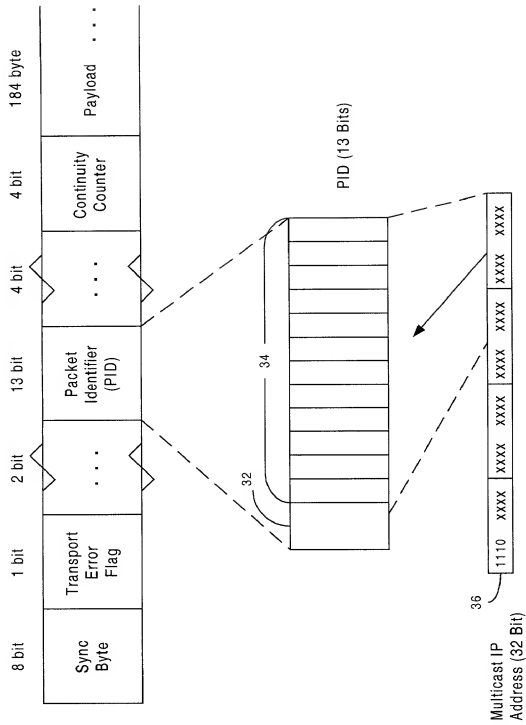


Figure 2

IP Multicast Mapping to PID

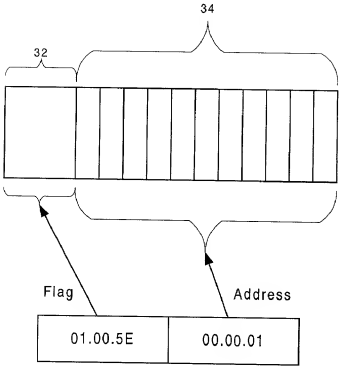


Figure 4

Address Mapping IPv6 To Layer 2 MAC

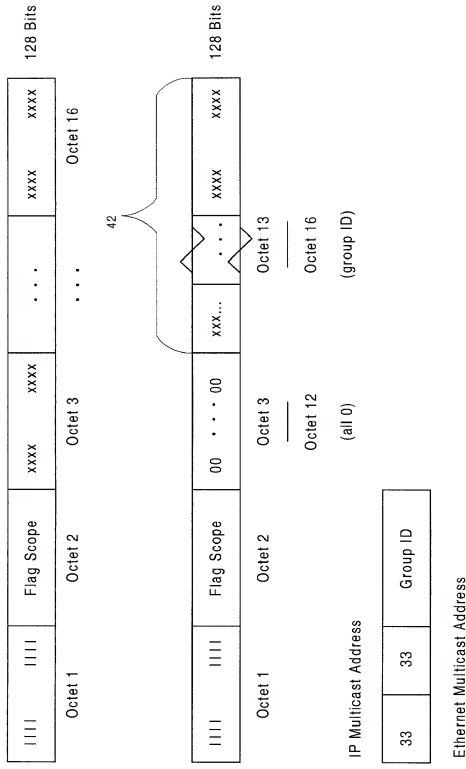


Figure 5

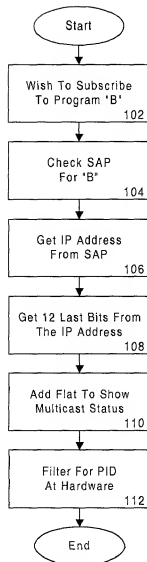


Figure 6A

| SERVICE | IP ADDRESS | |
|-----------|------------|---|
| Service 1 | IP1 | |
| Service 2 | IP2 | |
| Service B | 226.0.35.9 | 11100010.00000000.00100011.00001001 ADDRESS INFO: 0011 00001001 FLAG INFO: 1 PID EXPECTED 10011 00001001 |

Figure 6B

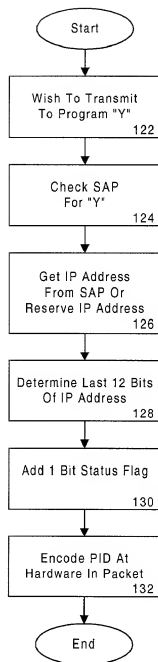


Figure 7

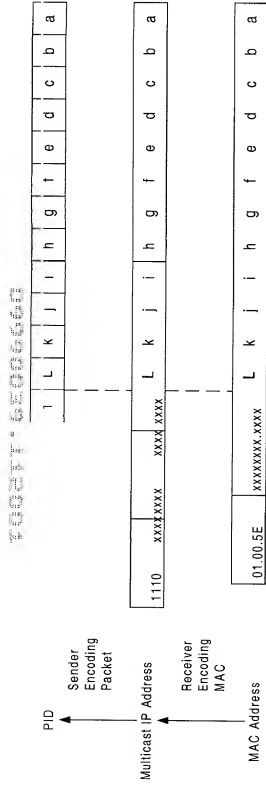


Figure 8

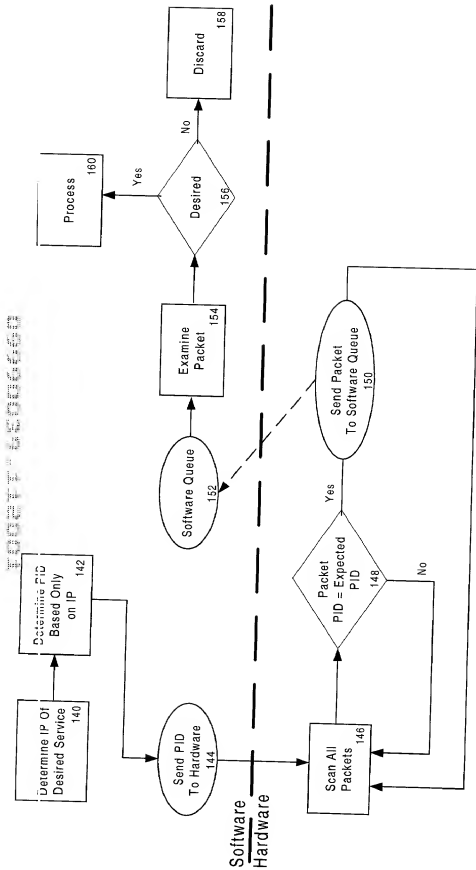


Figure 9